

Docket No. 240523US20

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Roy L AX, et al.

SERIAL NO: 10/650,791

GAU: 1632

FILED: August 29, 2003

EXAMINER:

FOR: FERTILITY PREDICTION OF MAMMALIAN MALES AND POLYCLONAL ANTIBODIES FOR THE PREDICTION THEREOF

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.


Eckhard H. Kuesters

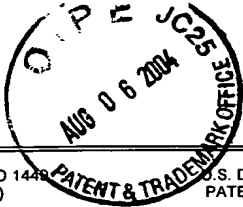
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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 240523US20		SERIAL NO. 10/650,791	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Roy L AX			
				FILING DATE August 29, 2003		GROUP 1632	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	6,245,577	06/12/01	McVicker, et al.			
	AB	2002/0048745	04/25/02	Zhang, et al.			
	AC	2001/0008764	07/19/01	Ax, et al.			
	AD	5,434,139	07/18/95	Ax, et al.			
	AE						
	AF						
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO						
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW	R.W. LENZ, et al., "PROTEOGLYCAN FROM BOVINE FOLLICULAR FLUID ENHANCES AN ACROSOME REACTION IN BOVINE SPERMATOZOA", Biochemical and Biophysical Research Communications, Vol. 106, No. 4, June 30, 1982, pp. 1098-1098					
	AX	P. MANJUNATH, et al., "PURIFICATION AND BIOCHEMICAL CHARACTERIZATION OF THREE MAJOR ACIDIC PROTEINS (BSP-A ₁ , BSP-A ₂ and BSP-A ₃) FROM BOVINE SEMINAL PLASMA", Biochem. J., Vol. 241, 1987, pp. 685-692					
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	AZ	T.C. McCauley, et al., "IDENTIFICATION OF A HEPARIN-BINDING PROTEIN IN BOVINE SEMINAL FLUID AS TISSUE INHIBITOR OF METALLOPROTEINASES-2", Molecular Reproduction and Development, 58, pp. 336-341, 2001				<input checked="" type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							



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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)					
	AAA	D.J. MILLER, et al., "HEPARIN-BINDING PROTEINS FROM SEMINAL PLASMA BIND TO BOVINE SPERMATOZOA AND MODULATE CAPACITATION BY HEPARIN", Biology of Reproduction, 42, pp. 899-915, 1990			
	AAB	L.R. SPOTT, et al., "ARTIFICIAL INSEMINATION OUTCOMES IN BEEF FEMALES USING BOVINE SPERM WITH A DETECTABLE FERTILITY-ASSOCIATED ANTIGEN", J. Anim. Sci., 78, 2000, pp. 795-798			
	AAC	A.M. RODRIGUEZ, et al., "IDENTIFICATION, LOCALIZATION, AND EXPRESSION OF TWO NOVEL HUMAN GENES SIMILAR TO DEOXYRIBONUCLEASE I", Genomics, 42, pp. 507-513, 1997			
	AAD	I. THERIEN, et al., "EFFECT OF SEMINAL PHOSPHOLIPID-BINDING PROTEINS AND FOLLICULAR FLUID ON BOVINE SPERM CAPACITATION", Biology of Research, 65, pp. 41-51, 2001			
	AAE	M.E. BELLIN, et al., "FERTILITY OF RANGE BEEF BULLS GROUPED ACCORDING TO PRESENCE OR ABSENCE OF HEPARIN-BINDING PROTEINS IN SPERM MEMBRANES AND SEMINAL FLUIDS", J. Anim. Sci., 72, 1994, pp. 2441-2448			
	AAF	R.W. LENZ, et al., "PREDICTING FERTILITY OF DAIRY BULLS BY INDUCING ACROSOME REACTIONS IN SPERM WITH CHONDROITIN SULFATES", J. Dairy Sci., 71, 1988, pp. 1073-1077			
	AAG	J.L. MARKS, et al., "RELATIONSHIP OF NONRETURN RATES OF DAIRY BULLS TO BINDING AFFINITY OF HEPARIN TO SPERM", J. Dairy Sci., 68, 1985, pp. 2078-2082			
	AAH	M.T. O'CONNOR, et al., "COMPARISONS OF COMPUTER EVALUATIONS OF SPERMATOZOAL MOTILITY WITH STANDARD LABORATORY TESTS AND THEIR USE FOR PREDICTING FERTILITY", Journal of Animal Science, Vol. 53, No. 5, 1981, pp. 1368-1376			
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	AAJ	Proceedings of the Fourth Technical Conference on Artificial Insemination and Reproduction Sponsored by the National Association of Animal Breeders, February 17-19, 1972			
	AAK	P.M. SALING, "MAMMALIAN SPERM INTERACTION WITH EXTRACELLULAR MATRICES OF THE EGG", Oxford Reviews of Reproductive Biology, Vol. 11, 1989, pp.340-388			
	AAL	P.J. CHENOWETH, et al., "A NEW BULL BREEDING SOUNDNESS EVALUATION FORM", Society for Theriogenology, Proceedings for Annual Meeting, August 14-15, 1992, pp. 63-70			
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	AAN	M.E. BELLIN, et al., "MONOCLONAL ANTIBODY DETECTION OF HEPARIN-BINDING PROTEINS ON SPERM CORRESPONDS TO INCREASED FERTILITY OF BULLS", J. Anim. Sci., 74, 1996, pp. 173-182			
	AAO	M.E. BELLIN, et al., "FERTILITY-ASSOCIATED ANTIGEN ON BULL SPERM INDICATES FERTILITY POTENTIAL", J. Anim. Sci., 76, 1998, pp. 2032-2039			
	AAP	J.J. CALVETE, et al., "THE PRIMARY STRUCTURE OF BSP-30K, A MAJOR LIPID-, GELATIN-, AND HEPARIN-BINDING GLYCOPROTEIN OF BOVINE SEMINAL PLASMA", FEBS Letters, 399, 1996, pp. 147-152			
	AAQ	A.M. CANCEL, et al., "OSTEOPONTIN IS THE 55-KILODALTON FERTILITY-ASSOCIATED PROTEIN IN HOLSTEIN BULL SEMINAL PLASMA", Biology of Reproduction, 57, 1997, pp. 1293-1301			
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	AAR	B.K. DAVIS, "INHIBITORY EFFECT OF SYNTHETIC PHOSPHOLIPID VESICLES CONTAINING CHOLESTEROL ON THE FERTILIZING ABILITY OF RABBIT SPERMATOZOA", Proceedings of the Society for Experimental Biology and Medicine, 152, 1976, pp. 257-261					
	AAS	H.M. FLORMAN, et al., "REGULATION OF ACROSOMAL EXOCYTOSIS", Developmental Biology, 128, 1988, pp. 464-473					
	AAT	R.L. GERENA, et al., "IDENTIFICATION OF A FERTILITY-ASSOCIATED PROTEIN IN BULL SEMINAL PLASMA AS LIPOCALIN-TYPE PROSTAGLANDIN D SYNTHASE", Biology of Reproduction, 58, 1998, pp. 826-833					
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	AAV	G.J. KILLIAN, et al., "FERTILITY-ASSOCIATED PROTEINS IN HOLSTEIN BULL SEMINAL PLASMA", Biology of Reproduction, 49, 1993, pp. 1202-1207					
	AAW						
	AAX						
	AAZ						
	BBB						
	BBC						
	BBD						
	BBE						
	BBF						
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